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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/996,714 | 11/30/2001 | Sung Ju Yoon | K-0343 | 3694 |

34610 7590 12/28/2004

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EXAMINER

PATEL, NITIN

ART UNIT PAPER NUMBER

2673

DATE MAILED: 12/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/996,714

Applicant(s)

YOON ET AL.

Examiner

Nitin Patel

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 June 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) 2-8, 16 and 17 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 9-15, 18 and 19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1,9-15,18,19 are rejected under 35 U.S.C. 102(e) as being anticipated by Lee et al., (US 20020003515 A1).

As per claim 1, Lee shows a plasma display panel (in Abstract) having a pair of electrodes formed on an upper substrate (In Fig.17 upper substrate electrodes SWZ2 and SWZ1) near a peripheral portion of discharge cell (in section 0106) and a trigger electrode (TY In Fig.17 and in section 0106) formed on the upper substrate at the center between the pair of electrodes (In Fig.17 and In section 0106).

As per claim 9, Lee shows a plasma display panel (In Abstract) having a pair of electrodes (In Fig.17 SWZ1 and SWZ2) formed on a first substrate (In Fig.17) and a single trigger electrode (TY In Fig.17) formed on the upper substrate between the pair of electrodes (In Fig.17 upper substrate 110).

As per claim 10, Lee shows the pair of electrodes (SWZ1 and SWZ2 on the upper substrate 110 In Fig.17) is formed on the first substrate (element 110 In Fig.17) near a peripheral portion of a discharge cell (In section 0106) and the single trigger

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electrode (In Fig.17 element TY) is formed at the center between the pair of electrodes (In section 0106).

As per claim 11, Lee shows an address electrodes formed on a second substrate opposing the first substrate and barrier ribs formed the first and second substrate (In section 0106 and 0107 TY having an address discharge).

As per claim 12, Lee shows The PDP having a first dielectric layer formed on the pair of electrodes (In section 0109), the single trigger electrode (element TY In Fig.17) and the first substrate (element 110 In Fig.17); a passivation film formed on the first dielectric layer (in section 0109 element 116) a second dielectric formed on the first substrate, the address electrode and the barrier rib and a phosphor layer deposited on surface of the second dielectric layer and the barrier ribs (In section 0109 and 0110).

As per claim 13, Lee shows the address electrodes is at a position orthogonal to the first and second sustain electrodes (In Fig.17 element X).

As per claims 14,18 Lee shows one of the pair of electrodes is a sustain electrodes (In Fig.17 and In section 0106).

As per claims 15,19 Lee shows the trigger electrode is formed at an equal distance from of the pair of electrodes (in section 0107 TY spaced an equal distance from the first and second sustaining electrodes).

Conclusion

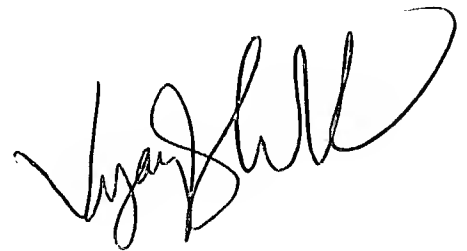
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 703-308-7024. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H Shalwala can be reached on 703-305-4938. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NP

December 24, 2004



VIJAY SHANKAR
PRIMARY EXAMINER